






VIASOL system data sheet

VIASOL **PROTECTIVE** *conductive*

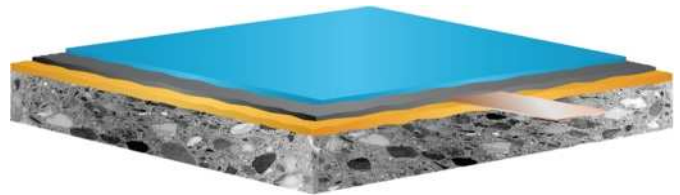
Economic conductive epoxy resin based coating system with slightly up to medium structured surface for industrial floors with medium mechanical and chemical loads and vertical surfaces. Conductivity according to DIN EN 1081, DIN EN 61340-5-1 and 4-1.

SYSTEM **BUILD-UP**

-  Top coat, seal coat:
VIASOL EP-S620 this AS or EP-S602 AS
-  Conductive layer with copper strips:
VIASOL EP-E480 / E1480
-  Primer:
VIASOL EP-T703 or EP-P203 or others
- Optional
Blocking primer for wet cementitious substrates or for substrates with rising water:
 VIASOL EP-P210
-  Substrate: concrete, cementitious screed, and others

SYSTEM **THICKNESS**

0.5 – 1.0 mm



SYSTEM **HIGHLIGHTS**

- Economic system built-up
- Many colours available
- Slightly structured surface (“orange skin”)

APPLICATION **FIELDS**

- Industrial floors with light to medium loads in electronic industry, pharmaceutical industry
- Technical rooms
- Walls and vertical surfaces in wet areas



SYSTEM **BENEFITS**

- Conductive system according to DIN EN 1081, DIN EN 61340-5-1 and 4-1
- Economic coating system
- Seamless and joint less application
- Suitable for concrete slabs in contact to ground
- Good wear and abrasion resistance
- Good chemical resistance (oil, de-icing salt, petrol, diesel)
- Slightly up to medium structured (“orange skin”)
- Available in many colours

Manufacturer:

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APPLICATION AND CONSUMPTION

Layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
Alternative: Seal coat with slightly structure	VIASOL EP-S602 AS	0.6 – 0.9	none	0.5 – 0.8	rubber squeegee, roller for finish
Seal coat "orange skin" optional with SIC for better slip resistance (F20, 24, 30, 36)	VIASOL EP-S620 thix AS (fillable with SIC 10 – 20%)	0.6 – 0.75 0.06 – 0.15 (see F class)	none	0.5 – 0.65	rubber squeegee, structured roller for finish medium or coarse
Conductive layer with copper strips	VIASOL EP-E480/E1480 + 20 % water	0.08 – 0.1	none	-	rubber squeegee, roller
Primer	VIASOL EP-T703 or EP-P203	0.4 – 0.6	none	0.3 -0.5	notched trowel, roller for finish
Blocking primer ≤ 6 % CM (optional)	VIASOL EP-P210	0.4 - 0.6	none	ca. 0.3	roller or rubber squeegee
Substrate	Cementitious substrates according to the appropriate standards and approvals must be capable of bearing loads and be free of cracks and voids. Pull-off strength ≥ 1.5 N/mm ² , residual moisture content < 4 %-CM, with higher residual moisture and on substrates with moisture from the backside special measures must be taken or a damp proof membrane must be installed. Substrate preparation e.g. grinding or shot blasting, sweeping and vacuum-cleaning is mandatory. Consumptions are calculated with VIASOL quartz sands and fillers. Usage of other quartz sands and fillers can cause changes of consumption and technical data.				
Note	Detailed application instructions are available upon request or refer to the technical product data sheet.				

TECHNICAL DATA



property	standard	result
Adhesive strength at T _{NORM}	DIN EN 1542	≥ 3.8 N/mm ² (≥ 1.5 N/mm ²)
Conductivity	DIN EN 1081 DIN EN 61340-4-1	≤ 10 ⁶ Ω (Rg) ≤ 10 ⁹ Ω (Rg)
Chemical resistance	DIN EN 13529	Test liquids DiBT no. 1, 3, 10
Abrasion resistance (CS17 wheel)	DIN EN ISO 5470-1	74 mg/1000 U / 70 mg/1000 U
Shore hardness	DIN EN ISO 868	D 73 / D 69
Water vapour permeability	DIN EN ISO 7783-1 and -2	class III > 200 m (> 50 m)
Water absorption coefficient	DIN EN 1062-3	< 0,01 kg/m ² x h ^{0.5} (< 0,1)
Impact resistance	DIN EN ISO 6772-2	4 Nm – no cracks
Fire behaviour class system	EN 13501-1	NPD

Remark: for further information please refer to the product data sheets or contact our technical service. All data are approximate values. Therefore no liability claims can be derived from the system data sheet. As all VIACOR data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.viacor.de or contact us directly)– all technical information is subject to change without prior notice

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version no. 5

issue: 04-2018